BACKGROUND OF THE INVENTION

The ~~subject of the~~ present invention relates to [[is]] a handpiece or contra-angle [[,]] used for endodontology.

Various ~~The prior art already knows various~~ instruments are known which can be ~~of this type,~~ used either to prepare or to bore tooth canals. Such [[These]] instruments can [[may]] be mechanized or manual, and can [[;]] ~~they may~~ equally operate in continuous rotation or in reciprocating rotation. Rotational ~~This rotational~~ movement of the instrument is allowed by the ~~virtue of a~~ contra-angle piece on which the instrument is positioned.

Such ~~positioned. The~~ instruments are [[is]] generally equipped with a shank, defined by the standard ISO 1797, for penetrating the head of the contra-angle. The [[,]] ~~which~~ head of the contra-angle is equipped with mechanical means for allowing the instrument to be ~~attached~~ removably attached to the head.

For known ~~In this type of~~ instruments ~~known from the prior art~~, the user must [[has]] always [[to]] remove the instrument from the shank each time an ~~he changes~~ operation is changed. This, in turn, ~~and this~~ increases the risks of prick injury and, therefore, the risks of contamination of both ~~as far as~~ the user

and ~~as far as~~ the patient ~~are concerned~~.

Furthermore, the means used to clamp ~~for clamping~~ the instrument onto the shank are bulky, which prevents small heads from being produced. This, in turn, restricts the user's ~~thus restricting the~~ visibility ~~that the user has~~.

SUMMARY OF THE INVENTION

In accordance with the present [[The]] invention, ~~proposes to remedy~~ these various disadvantages are remedied by providing ~~proposing~~ an endodontal handpiece that does not require a change of the instrument for each new operation undertaken.

To [[do]] this end, ~~the subject of the present invention is~~ an endodontal contra-angle (1) is provided ~~equipped~~ with a head (2) for supporting an endodontal ~~endontental~~ instrument (3), and [[with]] attachment means (5) for attaching a shank (4) penetrating the head of the contra-angle. The [[,]] ~~characterized in that said~~ head (2) of the contra-angle (1) is provided ~~equipped~~ with a member (6) which is fixedly assembled to the body of the head (2), and which [[that]] is free to rotate ~~(6), assembled fixedly to the body of said head (2)~~.

The present invention will be better understood with reference to ~~the aid of~~ the following description, and ~~given hereinafter~~ with reference to the accompanying ~~attached~~ drawing.

BRIEF DESCRIPTION OF THE DRAWING

The single accompanying figure illustrates ~~which depicts~~ an endodontal handpiece produced in accordance with ~~according to~~ the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring to the accompanying figure, a [[The]] contra-angle (1) is provided ~~equipped~~ with a head (2) for supporting an endodontal instrument (3), and axially aligned attachment means (5) for attaching a shank (4) penetrating the head of the contra-angle. A ~~on which a~~ member (6) is axially positioned on the head (2). The [[This]] member (6) is ~~will find itself~~ free to rotate about the head (2) of the contra-angle (1), but is ~~will be~~ permanently fixed to the body of the head (2). This, in turn, [[That]] allows [[the]] rotational movement of the instrument (3).

The ~~According to an advantageous characteristic of the invention, the~~ contra-angle (1) is advantageously provided

~~equipped~~ with a head (2) made entirely of plastic, constituting a reusable part and, as a result, [[thus]] limiting costs.

Advantageously ~~According to an advantageous characteristic of the invention~~, the member present on the head (2) of the contra-angle (1) is a ~~pinion.~~

~~According to another advantageous characteristic of the invention, this~~ pinion, and the pinion is made of a material which can be injection-molded, such as plastic.

A ~~According to an advantageous characteristic of the invention, a~~ blade for the [[of a]] canal instrument is advantageously fixed to the pinion, and the [[. The]] pinion is overmolded onto the blade of the canal instrument to secure the [[,]] ~~thus securing these~~ two elements together.

Although the present invention has been described using particular embodiments, the present invention [[it]] encompasses all technical equivalents of the means described.